



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

002510

D350-721-013
Job Sheet 175848



Part No: D350-721-013

Job Qty: 1 ea

Part Name: AS350/AS355 Automatic Lid Opener Lightweight Basket



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 4/11/18

Job Tracking No:

Due Date: 4/19/18

Created By: Linda Lacelle

Type: SOLD

Description:

Note: DWG REV A IPP REV:A 12.06.07 NEW ISSUE DD VERF:EC

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		4/19/18	0.00	0.00	Start Up Stores/Pkg-1		APR 13 2018
110	Packaging	1 pcs		4/19/18	0.00	0.00	Packaging1-3		APR 13 2018
120	QC	1 pcs		4/19/18	0.00	0.00	QC4		DAS 58
125	DC	1 pcs		4/19/18	0.00	0.00	DC		9-89 DAS 58
130	Packaging	1 pcs		4/19/18	0.00	0.00	Packaging3-1		APR 17 2018
140	QC21-FG	1 Ea		4/19/18	0.00	0.00	QC21		DAS 21 9-89 APR 17 2018

Part Op 125 - Photocopy bluefile & type labels per PPP D350-721-013 CHG001

Descriptions: 130 - Identify and pack for shipping as per PPP D350-721-013 Location: _____

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN310C4	Nut	2 Ea (2 ea)	90-Start up Operation	P0038643
AN3C11A	Bolt	2 Ea (2 ea)	90-Start up Operation	5000920
AN3C15A	Bolt	2 Ea (2 ea)	90-Start up Operation	FM125374
D3953-17	Gas Spring Spacer	3 Ea (3 ea)	90-Start up Operation	5050907
D3953-19	Gas Spring Bracket	1 Ea (1 ea)	90-Start up Operation	5043461
D3953-21	Gas Spring Bracket	1 Ea (1 ea)	90-Start up Operation	5049481
D3953-3	Gas Spring Stud, Lid	2 Ea (2 ea)	90-Start up Operation	5043568
D3953-7	Spring Spacer	2 Ea (2 ea)	90-Start up Operation	5052072
D3953-9	Gas Spring Washer	2 Ea (2 ea)	90-Start up Operation	5048612
D3969-5	Spring (Basket Lid)	1 Ea (1 ea)	90-Start up Operation	5000907
MS21043-3	Nut	4 Ea (4 ea)	90-Start up Operation	5035569
MS24665-300	Cotter Pin	2 Ea (2 ea)	90-Start up Operation	5015687
NAS1149C0332R	Washer	8 Ea (8 ea)	90-Start up Operation	5049837
NAS1149C0432R	Washer	2 Ea (2 ea)	90-Start up Operation	5025742



Container No: S060953



Part: D350-721-013

Job No: 175848

Serial No/Batch: S060953

Revision:

Inspector:

Dart Aerospace Ltd.
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CANADA
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Email: sales@dartaero.com
www.dartaerospace.com

Date: 04/13/18

847
82
CG-C

847
82
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847

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	AN310C4	2	84	0
	AN3C11A	2	50	0
	AN3C15A	2	16	0
	D3953-17	3	43	0
	D3953-19	1	47	0
	D3953-21	1	39	0
	D3953-3	2	24	0
	D3953-7	2	70	0
	D3953-9	2	57	0
	D3969-5	1	2	0
	MS21043-3	4	948	0
	MS24665-300	2	128	0
	NAS1149C0332R	8	6,904	0
	NAS1149C0432R	2	2,733	0
Part Specifications				
Specifications could not be found.				

Plex 4/11/18 10:27 AM dart.lacelle.linda

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-721 REV. B

REF CANADIAN STC: SH93-1

FAA STC: SR00600NY

EASA STC: EASA.IM.R.S.01442

1.0 PURPOSE:

THE PURPOSE OF THIS DART SERVICE INSTRUCTION (DSI), IS TO PROVIDE OPERATORS OF AS350 / 355 ROTORCRAFT EQUIPPED WITH DART D350-721-041/-043 HELI UTILITY BASKETS WITH AN UPGRADE KIT TO REPLACE THE EXISTING LID PROP ARM WITH A GAS SPRING.

2.0 PARTS LIST

ITEM No.	QTY	PART NUMBER	DESCRIPTION
1	X	D350-721-013	AUTOMATIC LID OPENER INSTL
2	2	D3953-3	GAS SPRING STUD
3	2	D3953-7	GAS SPRING SPACER
4	2	D3953-9	GAS SPRING WASHER
5	3	D3953-17	GAS SPRING SPACER
6	1	D3953-19	GAS SPRING BRACKET
7	1	D3953-21	GAS SPRING BRACKET
8	1	D3969-5	GAS SPRING
9	2	AN3C11A	BOLT
10	2	AN3C15A	BOLT
11	2	AN310C4	CASTELLATED NUT
12	4	MS21043-3	NUT
13	2	MS24665-300	COTTER PIN
14	8	NAS1149C0332R	WASHER (OR AN960C10L)
15	2	NAS1149C0432R	WASHER (OR AN960C416L)

3.0 WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-721-013 Automatic Lid Opener Instl	0.28 lb	± 44.1 in	± 12.35 lb-in	135 in	37.80 lb-in
	0.01 kg	± 1.12 m	± 0.01 kg-m	3.43 m	0.03 kg-m

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: D. SHEPHERD (DE # 02)

DATE: 12.05.31
CERT. NO.: SH93-1
ISSUE NO.: 6

A	NEW ISSUE		AJS	12.05.31
REV.	DESCRIPTION		BY	DATE
DESIGN	AJS			
DRAWN	AJS			
CHECKED	99			
MFG. APPR.	N/A			
APPROVED	99			
DE APPR.	99			
DATE	12.05.31			

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO.	REV. A
DSI 9617	SHEET 1 OF 4
TITLE	SCALE
AUTOMATIC LID OPENER INSTL	NTS

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Change Record

Part Number D350-721-013Page 1 of 1

Description AUTOMATIC LID OPENER

[illegible]

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
					QC / QA Coordinator Approval				

Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐	
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER : ☐ _____			
Misidentified ☐		Past Due ☐					